

Title (en)
Non-sintered nickel electrode for alkaline storage cell

Title (de)
Ungesinterte Nickelelektrode für alkalische Batterien

Title (fr)
Electrode en nickel non-frittée pour batteries alcalines

Publication
EP 0727834 B1 19991110 (EN)

Application
EP 96102175 A 19960214

Priority
• JP 2526395 A 19950214
• JP 2526495 A 19950214
• JP 3702795 A 19950224

Abstract (en)
[origin: US5674643A] A non-sintered nickel electrode for use in alkaline storage cells includes an active material comprising a solid solution of nickel hydroxide mixed with manganese, the solid solution further incorporating one or more elements selected from a group consisting of cobalt, cadmium, calcium and magnesium; an active material comprising a solid solution of nickel hydroxide mixed with manganese and zinc, the solid solution further incorporating one or more elements selected from a group consisting of cobalt, cadmium, calcium and magnesium; or an active material comprising nickel hydroxide with manganese added thereto, some of which manganese is incorporated in a solid solution of nickel hydroxide and the rest of which manganese exists as liberated from the solid solution of nickel hydroxide.

IPC 1-7
H01M 4/32; H01M 4/52; H01M 10/30

IPC 8 full level
H01M 4/32 (2006.01); **H01M 4/52** (2010.01); **H01M 10/30** (2006.01)

CPC (source: EP KR US)
H01M 4/32 (2013.01 - EP KR US); **H01M 4/52** (2013.01 - EP US); **H01M 10/30** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Cited by
EP0975036A4; EP0801431A4; FR2750255A1; EP0932211A1; EP0881698A1; US6183909B1; US7267874B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
US 5674643 A 19971007; CN 1085418 C 20020522; CN 1135663 A 19961113; DE 69605067 D1 19991216; DE 69605067 T2 20000608; EP 0727834 A1 19960821; EP 0727834 B1 19991110; KR 100454542 B1 20050113; KR 960032786 A 19960917

DOCDB simple family (application)
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